

EC CERTIFICATE TYPE EXAMINATION (MODULE B)

DNV·GL

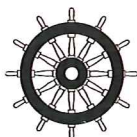
This is to certify that:

DNV GL SE, a Notified Body under the terms of the Marine Equipment Directive 96/98/EC of 20 December 1996, notified by the German Federal Ministry of Transport, Building and Urban Development, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 96/98/EC as amended, subject to any conditions in the schedule attached hereto.

Certificate No.	42 493 - 16 HH
Applicant	Fritz Landolt AG Bahnhofstrasse 35 8752 Näfels, SWITZERLAND
Manufacturer	Fritz Landolt AG Bahnhofstrasse 35 8752 Näfels, SWITZERLAND
Product Description	Surface materials and floor coverings with low flame-spread characteristics: floor coverings
Product Name	Floorliner FR
Trade Name	Floorliner FR
Specified Standards	IMO Res. MSC.307(88) - 2010 FTP Code, Annex 1, Part 5
Related Directive	2014/93/EU
Equipment Section	Fire protection
Annex A.1 Item No.	A.1/3.18c
Date of Issue	2016-03-10
Expiry Date	2021-03-09

DNV GL SE

Notified Body No.: 0098




Christine Mydlak-Röder

Certificate No: 42 493 - 16 HH

Date of Issue: 2016-03-10

Schedule of Approval

Approval Documentation

Test report no. 20151402 of 2015-12-16 issued by MPA Desden GmbH, Germany.
(DNV GL Ref.No. 16-003562)

Technical Data

The Floorliner™ FR non-woven fabric consisting of flame retardant synthetic fibres with a slip resistant coating OPTICOAT™ at rear side and PE sheet on top side, approved for use as floor covering on a non-combustible substrate having a thickness of 25 mm or greater.

Nominal thickness: 1.5 mm

Organic content: to be stated in a manual/booklet of the product

Approved colour: light green

Approved for use as low flame spread surface material, not generating excessive quantities of smoke nor toxic products in fire. As per Annex 2, Clause 2.2 the Floorliner™ FR meets the requirements of Annex 1, Part 2 (smoke and toxicity) without further testing.

Maximum gross calorific value shall be documented separately where applicable, ref. SOLAS Chapter II-2 Reg. 5.3.2.2.

Each product is to be supplied with its manual for installation and use.

Marking:

The product or packing is to be marked with name of manufacturer, type designation, the MED Mark of Conformity and USCG Approval Number.

Remarks

None

Limitations on the acceptance or use of the product

None

Notes:

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL SE, as the Notified Body, of any modifications or changes to the approved equipment.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

An U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment", signed February 27th 2004.



The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body.